

Title (en)

METHODS AND COMPOSITIONS FOR IMPROVING GROWTH OF MEAT-TYPE POULTRY

Title (de)

VERFAHREN UND ZUSAMMENSETZUNG ZUR VERBESSERUNG DES WACHSTUMS VON FLEISCHGEFLÜGEL

Title (fr)

PROCEDES ET COMPOSITIONS POUR AMELIORER LA CROISSANCE D'UNE VOLAILLE D'ABATTAGE

Publication

**EP 1539226 A4 20060830 (EN)**

Application

**EP 03796295 A 20030808**

Priority

- US 0324745 W 20030808
- US 40222802 P 20020809

Abstract (en)

[origin: WO2004034776A2] The present invention provides methods of improving growth performance, improving the efficiency of feed utilization, increasing feed digestibility, and decreasing mortality of immature and developing animals receiving animal feed. Methods of producing a crude keratinase enzyme extract and animal feed supplements for achieving the same are also provided.

IPC 1-7

**A61K 38/48**; **A23K 1/16**

IPC 8 full level

**A23K 1/00** (2006.01); **A23K 1/16** (2006.01); **A23K 1/165** (2006.01); **A23K 1/18** (2006.01)

CPC (source: EP US)

**A23K 10/18** (2016.05 - EP US); **A23K 20/189** (2016.05 - EP US); **A23K 50/75** (2016.05 - EP US); **A61K 38/48** (2013.01 - EP US); **A61P 3/02** (2017.12 - EP)

Citation (search report)

- [XY] US 5985336 A 19991116 - IVEY FRANCIS J [US], et al
- [DY] US 5186961 A 19930216 - SHIH JASON C H [US], et al
- [A] US 6221406 B1 20010424 - MESCHONAT BEATE [DE], et al
- See references of WO 2004034776A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2004034776 A2 20040429**; **WO 2004034776 A3 20041111**; AT E457175 T1 20100215; AU 2003298543 A1 20040504; AU 2003298543 B2 20081030; AU 2003298543 C1 20110602; BR 0313288 A 20070724; BR PI0313288 B1 20180911; CA 2495082 A1 20040429; CA 2495082 C 20140708; CA 2851113 A1 20040429; CA 2851113 C 20170411; CN 102669443 A 20120919; CN 102669443 B 20140625; CN 1997387 A 20070711; CN 1997387 B 20111130; DE 60331229 D1 20100325; DK 1539226 T3 20100607; EP 1539226 A2 20050615; EP 1539226 A4 20060830; EP 1539226 B1 20100210; ES 2340848 T3 20100610; JP 2006506982 A 20060302; JP 4567456 B2 20101020; MX PA05001601 A 20050819; NO 20051208 L 20050506; RU 2005106264 A 20050827; US 2004166196 A1 20040826; US 2011286994 A1 20111124; US 2014044700 A1 20140213; US 2015037458 A1 20150205; US 7915024 B2 20110329; US 8642313 B2 20140204; US 8889396 B2 20141118; US 9253994 B2 20160209

DOCDB simple family (application)

**US 0324745 W 20030808**; AT 03796295 T 20030808; AU 2003298543 A 20030808; BR 0313288 A 20030808; CA 2495082 A 20030808; CA 2851113 A 20030808; CN 03824056 A 20030808; CN 201110301052 A 20030808; DE 60331229 T 20030808; DK 03796295 T 20030808; EP 03796295 A 20030808; ES 03796295 T 20030808; JP 2004545232 A 20030808; MX PA05001601 A 20030808; NO 20051208 A 20050308; RU 2005106264 A 20030808; US 201113035652 A 20110225; US 201314061074 A 20131023; US 201414516702 A 20141017; US 63811803 A 20030808